AEE/SSD/SBR/146/16-17 dt. 06/02/17

Original/Duplicate/Triplicate

No. 1st & FINAL BILL

CONTRACT CERTIFICATE

(For Other Works)

Date : .....

Division DD

Sub-Division

Bill Received No. ..... Dated .....

Cash Book Voucher No. ..... Dated :.....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) MAINTENANCE OF BOREWELL AT SHETTYHALLI, ABBIGERE, MEDARAHALLI AND CHIKKASANDRA IN W.NO.12 SHETTY HALLI SUB DIVISION

Name of Contractor and Full Address SRI. S. PRAKASH

Reference to Agreement No. EE/DD/WO/ 06 / 16-17 Date: 27.04.2016

Certified that the measurements were taken by me on 6/2/17 and recorded in pages 17933/2 to 17952/2 of measurements Book No. 1294/13-14 and that the work is satisfactorily executed.

Contractor

Officer - in - charge of work

Certified that the measurements were checked by me on 6/2/17 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub - Division Officer

If Memorandum of Payment JOB NO : 012-16-000010

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	Total --
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
		Total amount adjusted --

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೀಣ್ಯಾ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಕವಿಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Contractor Signature

Received Rs. ..... (in words)
.....
..... by cash and by adjustment of
Payment as per memorandum.

(For use in the Office)

Witness : (In final settlement of all demand)

1.

2.

Stamp

Date

Signature of Contractor

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Repairs to Motor: Rewinding of submersible pumpsets with copper insulation wire of suitable guage as per ISI specification with guarantee of 6 months For 7.5 HP complete as per specfication & as per direction of Engineer-in-charge	Each	16	40,000/-	–	2500/-	–	16	40,000=00	
2	For 10.00 HP	Each	50	1,71,000/-	39	3420/-	1,33,380/-	89	3,04,380=00	
3	For 12.5 HP	Each	12	50,040/-	–	4170/-	–	12	50,040=00	
4	Replacement of pump parts the following main components of submersible pumpsets requiring replacement pump bowls complete as per specfication & as per direction of Engineer-in-charge	Each	336	2,35,200/-	162	700/-	1,13,400/-	498	348,600=00	
5	Intermediate piece (I.P) with leaded bronze bush complete as per specfication & as per direction of Engineer-in-charge	Each	17	7650/-	8	450/-	3600/-	25	11250=00	
6	Oil seal steel bush complete as per specfication & as per direction of Engineer-in-charge	Each	17	2125/-	8	125/-	1000/-	25	3125=00	
7	Oil seal steel bush complete as per specfication & as per direction of Engineer-in-charge	Each	51	7650/-	19	150/-	2850/-	70	10500=00	
8	Guide vane complete as per specfication & as per direction of Engineer-in-charge	Each	226	39550/-	14	175/-	2450/-	240	42000=00	
9	Impeller (shell moulded with aluminium and bronze) complete as per specfication & as per direction of Engineer-in-charge	Each	370	157250/-	146	425/-	62050/-	516	219300=00	
10	Discharge outlet (D.O.) bearing D.O. steel bush complete as per specfication & as per direction of Engineer-in-charge	Each	17	7565/-	8	445/-	3560/-	25	11125=00	
11	D.O.bearing complete as per specfication & as per direction of Engineer-in-charge	Each	47	13395/-	18	285/-	5130/-	65	18525=00	
12	Steel bush (D.O. steel bush) complete as per specfication & as per direction of Engineer-in-charge	Each	55	8250/-	27	150/-	4050/-	82	12300=00	
13	Allen screw complete as per specfication & as per direction of Engineer-in-charge	Each	47	1175/-	35	25/-	875/-	82	2050=00	
14	Pump shaft made out of stainless steel center less ground with key way (upto 8 stages) complete as per specfication & as per direction of Engineer-in-charge	Each	17	16150/-	8	950/-	7600/-	25	23750=00	
15	Pump Key complete as per specfication & as per direction of Engineer-in-charge	Each	47	5875/-	18	125/-	2250/-	65	8125=00	
16	Pump couping (stainless steel) complete as per specfication & as per direction of Engineer-in-charge	Each	17	4250/-	8	250/-	2000/-	25	6250=00	
17	Non return valve assembly complete. Rubber 'O' ring complete as per specfication & as per direction of Engineer-in-charge	Each	17	22950/-	8	1350/-	10800/-	25	33750=00	
18	Cable guard complete as per specfication & as per direction of Engineer-in-charge	Each	17	2550/-	8	150/-	1200/-	25	3750=00	
19	Stainer complete as per specfication & as per direction of Engineer-in-charge	Each	17	2550/-	8	150/-	1200/-	25	3750=00	
20	Brass filter complete as per specfication & as per direction of Engineer-in-charge	Each	47	11750/-	35	250/-	8750/-	82	20500=00	
21	Labour charges (over hauling only) Per Job complete as per specfication & as per direction of Engineer-in-charge	Job	78	42900/-	54	550/-	29700/-	132	72600=00	
22	Upper flange complete as per specfication & as per direction of Engineer-in-charge	Each	28	9800/-	10	350/-	3500/-	38	13300=00	
23	Lower housing complete as per specfication & as per direction of Engineer-in-charge	Each	28	18200/-	10	650/-	6500/-	38	24700=00	
24	Lower flange complete as per specfication & as per direction of Engineer-in-charge	Each	28	9800/-	10	350/-	3500/-	38	13300=00	
25	Lock ring complete as per specfication & as per direction of Engineer-in-charge	Each	28	2380/-	10	85/-	850/-	38	3230=00	
26	Carbon housing complete as per specfication & as per direction of Engineer-in-charge	Each	28	13300/-	10	475/-	4750/-	38	18050=00	
27	Thrust bearing block assembly with segment bearing pad complete as per specfication & as per direction of Engineer-in-charge	Each	28	32200/-	10	1150/-	11500/-	38	43700=00	
28	Tip carbon complete as per specfication & as per direction of Engineer-in-charge	Each	28	4200/-	10	150/-	1500/-	38	5700=00	

29	Studs and nuts complete as per specfication & as per direction of Engineer-in-charge	Each	28	1400/-	10	50	500/-	38	1900:00	
30	Bearing (gunmetal) centrifugal Cast aluminium bronze, bearing bush complete as per specfication & as per direction of Engineer-in-charge	Each	184	73600/-	66	400	26400/-	250	100,000:00	
31	Circlips complete as per specfication & as per direction of Engineer-in-charge	Each	55	2750/-	45	50	2250/-	100	5000:00	
32	Motor base with pin complete as per specfication & as per direction of Engineer-in-charge	Each	55	26125/-	25	475	11875/-	80	38000:00	
33	Transportion of pumping Machineres complete as per specfication & as per direction of Engineer-in-charge	Each	184	158240/-	82	860	70520/-	266	228760:00	
34	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 7.5. HP 16 stage complete as per specfication & as per direction of Engineer-in-charge	No	1	45800/-	—	45800	—	1	45800:00	
35	The pump and motor shall form an integral unit with all the required 12.5 HP 24 stage complete as per specfication & as per direction of Engineer-in-charge	no	2	126800/-	—	63400	—	2	1,26,800:00	
36	Labour chagres for erection of new/ repaired submersible pump set along with GI pipes (32mm/50mm) cable (New submersible pump set ((including transportation charges) complete as per specfication & as per direction of Engineer-in-charge	Each	1500	132000/-	500	88	44000/-	2000	1,76,000:00	
37	Labour chagres for lifting of non functioning submersible pump set along with GI pipes (Each length=6m) i) 50mm	Each	1500	163500/-	500	109	54500/-	2000	2,18000:00	
38	Labour charges (over hauling only) Per job complete as per specfication & as per direction of Engineer-in-charge	Job	94	51700/-	39	550	21450/-	133	73150:00	
39	Supply and drawing 3 core flabr PVD sheathed submersible pump cable manufacture with electrolytic grade copper with flexible copper conductor confirming to calbe 3 class 5 of IS 8130 - 1984 and altes amendments of IS 694 / 1990 and virgin grade PVC insulation and sheathed suitable for working volgrage upto 1100 volts complete as per specfication & as per direction of Engineer-in-charge	rmtr	700	106400/-	—	152	—	700/-	1.06.400:00	
40	Supplying and fixing 50mm GI pepes C class heavy duty for erection of submersible pump set complete as per specfication & as per direction of Engineer-in-charge	mtr	110	44000/-	—	400	—	110/-	44000:00	
41	UG Calbe -d) 4 core 16 sqmm complete as per specfication & as per direction of Engineer-in-charge	rmtr	154	21622/-	46	140.4	6458/-	200/-	28.080:00	
42	Digging of trench of 1.00 mm deep X 0.60 wide refilling the trence to the required ground level and consolidating etc complete. In ordinary soil complete as per specfication & as per direction of Engineer-in-charge	Cum	72	9720/-	—	135	—	72/-	9720:00	
43	UG cable labour charges d) 4 core 16 sqmm complete as per specfication & as per direction of Engineer-in-charge	rmtr	120	960/-	—	8	—	120/-	960:00	
44	Refixing available earth around pipe lines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift up to 1.5m including complete as per specfication & as per direction of Engineer-in-charge	Cum	72	4392/-	—	61	—	72/-	4392:00	
45	Fabricating supplying and mounting MS box made out 14 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear dissipation provided with hinged front cover equipped with tamper proof locking arrangementw with suitable size clamps with necessary calbe entry pipw with gland box should be finished with 2 coats of red oxide primer paint and finally finished with approved color enameled metal paint etc.,complete as per specfication & as per direction of Engineer-in-charge	Each	24	293664/-	—	12236	—	24	2,93.664:00	
46	Supplying fully automatic star - delta starter unit push button type with suitable wires 3 contractor, one adjustable thermal timer mounted on a common base plate heeld in steel enclosure for use on 400/400 volts 3 phase and wired after fixing to the existing wooden board for motor. complete as per specfication & as per direction of Engineer-in-charge	Each	45	255600/-	—	5680	—	45	2,55,600/-	
47	Fixing outdoor panel box complete as per specfication & as per direction of Engineer-in-charge	Each	45	14175/-	—	315	—	45	14175:00	

48	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapers incerted wooden plugs screws etc F) 20"X20"X2.5" complete as per specfication & as per direction of Engineer-in-charge	Each	45	12825/-	—	285	—	45	12825=00	
49	Supplying and fixingr regula MCB distribution boards / flush mounting using required clamps blots, nuts etc with providing for fixing suitable type capacity MCBs single phase/ 3 Phase/ Single door with powder coated with powder coated painting etc., complete single door a) 4 way SP & N complete as per specfication & as per direction of Engineer-in-charge	Each	35	26250/-	—	750	—	35	26250=00	
50	Supplying and fixing of porcelain fuse channel with cutouts on exising wooden/ panel using necessary nuts, bolts and washers etc complete 63 Amps complete as per specfication & as per direction of Engineer-in-charge	Each	72	15768/-	—	219	—	72	15768=00	
51	Supplying and fixing single phase preventer complete as per specfication & as per direction of Engineer-in-charge	Each	60	44100/-	—	735	—	60	44100=00	
52	Supplying fixing and wireing 0 to 600 volts 96 X 96mm AC Voltmeter complete as per specfication & as per direction of Engineer-in-charge	Each	40	17200/-	—	430	—	40	17200=00	
53	Supplying fixing and wireing 0 to 100 amps direct reading AC analog ammeter complete as per specfication & as per direction of Engineer-in-charge	Each	40	19800/-	—	495	—	40	19800=00	
54	Supplying fixing and wireing rotary sector switch suitable for ammeter complete as per specfication & as per direction of Engineer-in-charge	Each	40	17200/-	—	430	—	40	17200=00	
55	Supplying fixing and wiring rotary sector switch suitable for voltmeter complete as per specfication & as per direction of Engineer-in-charge	Each	30	7350/-	—	245	—	30	7350=00	
56	Supplying and fixing for LED type panel board indicating lamp with 220 V AC 50 Hz 12/24v DC a) group A) complete as per specfication & as per direction of Engineer-in-charge	Each	40	17200/-	—	430	—	40	17200=00	
57	Supplying and fixing of 4 pole power contractor complete as per specfication & as per direction of Engineer-in-charge	No	28	25900/-	—	925	—	28	25900=00	
58	Providing and fixing in position 50mm nominal bore non-return valve horizontal type of approved make including cost of all materials labour and HOM of equipments with all leads complete as per specfication & as per direction of Engineer-in-charge	No	29	30479/-	—	1051	—	29	30479=00	
59	Supplying and fixing 50mm GL union complete as per specfication & as per direction of Engineer-in-charge	No	32	7158/-	—	223.7	—	32	7158=00	
60	Supplying and fixing 50mm GL Elbow complete as per specfication & as per direction of Engineer-in-charge	No	32	3904/-	—	122	—	32	3904=00	
61	Supplying and fixing 50mm GL Nipple complete as per specfication & as per direction of Engineer-in-charge	No	85	8865/-	—	104.3	—	85	8865=00	
62	Supplying and fixing 50mm GL Colllard complete as per specfication & as per direction of Engineer-in-charge	No	180	22500/-	—	125	—	180	22500=00	
63	Supplying and fixing gun metal gate valve 50mm nominal bore complete as per specfication & as per direction of Engineer-in-charge	No	8	9600/-	—	1200	—	8	9600=00	
64	Old GI pipe threading and transportation charges Rs. 27 per Mtf-6.00 mtrs x 27/- complete as per specfication & as per direction of Engineer-in-charge	No	155	25110/-	—	162	—	155	25110=00	
				27,83,362/-			6,65,898=00		34,49,260=00	

CERTIFICATE:

1 Work done is satisfactory — Work is completed on:- 27/10/2016.
2 There are no departmental issuesmade to the contractor
3 The contractor has cleared all debrice from work spot
4 RMC is used for items 12-14-25

Asst A.E.E,
AE W-12

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶಿಲ್ಪಾಳ್ಳಿ ಉಪವಿಭಾಗ, ಬಾಣಸವಾಡಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎ.ಎ. ಬ್ಲಾಕ್, ಬೆಂಗಳೂರು-560 008